AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF	PAGES
	1		6

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
PS06	7/27/2017	EQWPMA-16-5127	

6. ISSUED BY	CODE	7. ADMINISTERED BY *(If other than Item 6)*	CODE
R&A Center 2 301 7th Street, SW Room 6049 Washington, DC 20407 United States	WPH1AB	R&A Center 2 301 7th Street, SW Room 6049 Washington, DC 20407 United States	WPH1AB

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

DCM ARCHITECTURE & ENGINEERING, LLC
339 N FRONT ST STE A
CAMDEN, NJ 81021
DUNS: 788771983
Cage Code: 4ME27

Committed

REVIEWED
By Marcel Borde at 12:06 pm, Jul 25, 2017

CODE	FACILITY CODE

(X)	
☐	9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED *(SEE ITEM 11)*
☒	10A. MODIFICATION OF CONTRACT/ORDER NO. GS-11-P-16-YT-C-7173
	10B. DATED *(SEE ITEM 13)* Aug 24, 2016

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

Modification Obligation Amount: $58,919.79

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	
☐	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
☐	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
☒	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.243-4 Changes
☐	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (*Organized by UCF section headings, including solicitation/contract subject matter where feasible.*)

See Attached

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*	16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*
Robert Bens(b) (6)	Tony Hubbard, Contracting Officer

15B. CONTRACT	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(b) (6)	07/24/207	(b) (6)	7/27/2017
(Signature of person authorized to sign)		*(Signature of Contracting Officer)*	

(b) (6)

Description of Amendment/Modification

Contract GS-11-P-16-YT-C-7173 for the Design Build to Replace Underground Hot Water Loop (NAC) is hereby modified (PS06) to add the following items to the Design-Build Hot Water Loop project at the Nebraska Avenue Complex, 3801 Nebraska Avenue, Washington, DC:

Add (b) (4) for Street Patching at NAC3
Add (b) (4) for Street Patching between NAC7 and NAC18

Original contract amount (b) (4)
Modification AA01 (b
Modification PS02 (b) (4)
Modification PS03 (b) (4)
Modification PS04 (b) (4)
Modification PS05 (b) (4)
Modification PS06 (b) (4)

Revised contract amount $1,697,549.99

The period of performance completion date (11/30/17) and all other terms and conditions remain unchanged. Should you have any questions regarding this modification, please contact the Contract Specialist (michele.appello@gsa.gov), or the COR (john.stewart@gsa.gov).

SF30 List of Accounting Strings

Accounting String	Amount Obligated
EN-GS-11-P-16-YT-C-7173.2017.192X.11.P11B0001.PG54.PG413.N20.RDC03439.DC1432NA.080.....RDC03439DC1432NA.CIPIMP.1..	(b) (4)
EN-GS-11-P-16-YT-C-7173.2017.192X.11.P11B0001.PG54.PGL26.V04.RDC03690.DC1432NA.084.....	
EN-GS-11-P-16-YT-C-7173.2017.192X.11.P11B0001.PG54.PGL11.V04.RDC03690.DC1432NA.084.....	
EN-GS-11-P-16-YT-C-7173.2016.192X.11.P11B0001.PG54.PG413.N20.RDC03439.DC1432NA.080.....RDC03439DC1432NA.CIPIMP.1..	
EN-GS-11-P-16-YT-C-7173.2017.192X.11.P11B0001.PG54.PG413.K01.RDC03608.DC1432NA.083.....	

ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
0001	DB Hot Water Loop Design/Build Replacement of Underground Hot Water Loop. Period of Performance: 120 DAYS FROM NTP EN-GS-11-P-16-YT-C-7173.2016.192X .11.P11B0001.PG54.PG413.N20 .RDC03439.DC1432NA.080.... .RDC03439DC1432NA.CIPIMP.1.. Obligated (b) (4) PoP: 09/08/2016 - 10/15/2017	(b) (4)			
0002	MOD PS02 EMERGENCY UNDERGROUND HOT WA PIPE REPAIRS. Provide all materials, equipment, tools, labor and equipment to excavate and repair medium temperature hot water supply and return line. EN-GS-11-P-16-YT-C-7173.2017.192X .11.P11B0001.PG54.PG413.K01 .RDC03608.DC1432NA.083..... Obligated: (b) (4) PoP: 09/08/2016 - 10/15/2017	(b) (4)			
0003	MOD PS03 Per the scope of work, provide testing and sampling of suspected asbestos containing materials (ACM) and extend the POP 229 calendar days to	(b) (4)			

ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
	10/15/2017. EN-GS-11-P-16-YT-C-7173.2017.192X .11.P11B0001.PG54.PGL11.V04 .RDC03690.DC1432NA.084..... Obligated: (b) (4) PoP: 09/08/2016 - 10/15/2017				
0004	MOD PS04 Per the scope of work, conduct abatement of Asbestos Containing Materials (ACM) and extend POP 30 days EN-GS-11-P-16-YT-C-7173.2017.192X .11.P11B0001.PG54.PGL26.V04 .RDC03690.DC1432NA.084..... Obligated: (b) (4) PoP: 09/08/2016 - 11/15/2017	(b) (4)			
0005	MOD PS05 Per the scope of work, provide all labor, materials, equipment and supervision for additional cutting and breaking for trench concrete demolition and extend the POP 15 days to 11/30/2017. EN-GS-11-P-16-YT-C-7173.2017.192X .11.P11B0001.PG54.PG413.N20 .RDC03439.DC1432NA.080.... .RDC03439DC1432NA.CIPIMP.1.. Obligated: (b) (4) PoP: 09/08/2016 - 11/30/2017	(b) (4)			

ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
0006	MOD PS06 Per the scope of work, demo asphalt, excavate and back fill and pave asphalt. EN-GS-11-P-16-YT-C-7173.2017.192X .11.P11B0001.PG54.PG413.N20 .RDC03439.DC1432NA.080.... .RDC03439DC1432NA.CIPIMP.1.. Obligated: (b) (4) PoP: 09/08/2016 - 11/30/2017	(b) (4)			

SCOPE OF WORK

Project: NAC Hot Water Loop Replacement
Contract: GS-11-P-16-YT-C-7173
PRN: EQWPMA-16-5127
Mod No: PS-06

Background

During a walkthrough of site conditions on 10/19/2016, DCM identified sections of the existing pavement where the conditions of the asphalt would not be suitable for patch work. The existing conditions consist of depressions where there is inadequate backfill.

Scope
Furnish all labor, materials, equipment, special handling, supervision, and administrative services to extract, remove from premises, and properly recycle in accordance with contract documents unsuitable materials as identified and replace with proper materials suitable for the intended purpose. The extent of the condition is approximately 4000 SqFt.

Hours of Work:
Regular work hours are generally 6:00 AM to 5:00 PM, Monday – Friday and weekends.

Security Access:
Access to the NAC campus and buildings is permitted only to cleared individuals. All contractor personnel must be US citizens or US persons as defined by ITAR and shall be cleared with the DHS Office of Security, Physical Security Division, and Visitor Management Office. All persons working on this project are subject to a routine background check and must be approved by DHS before they enter the campus for work. Contact GSA to obtain the "Personnel Access Request" form to be completed and submitted a minimum of 72 hours in advance of arrival to the campus for the first time. The Government will not be responsible in any way for delays caused by security clearance procedures. Contractor project managers shall submit this completed form to the GSA project manager for processing. DHS will provide escorts when required. Additional security submittals may be required for individuals working in classified areas of the campus.

Site Cleanup:
The Contractor will provide barriers and signage during construction. The site is to be cleaned up daily. Dirt and mud that is outside the construction site must be cleanup immediately. The site and surrounding landscaping must be restored to preconstruction condition or better. The contractor will obtain advance approval for any materials or equipment stored at the site.

Period of Performance:

This work will be performed within the existing Period of Performance. No extension is required.

(End of Scope)

SECTION 01546 - SAFETY AND HEALTH PART 1

- GENERAL

1.1 DESCRIPTION OF WORK:

A. General: This section is general in nature and identifies some of the precautions necessary to protect the safety and health of employees, visitors, and facility occupants, and to prevent the loss of or damage to property and the environment.

Note: The Construction Contractor submittal requirements at paragraph **1.6.**

B. Related Work Specification Sections: The following sections, located elsewhere in this spec. package, indicate the scope of work and specific measures to control hazardous materials/conditions:

Edit out specification sections that do not apply to the current project.

Section 018111- Sustainable Design Requirements
Section 017419- Construction Nonhazardous Waste & Management Disposal
Section 017410- Construction Indoor Air Quality Management for Construction
Section 00900 - PCB Removal and Disposal
Section 02085 - Asbestos Abatement Procedures
Section 02085R - Asbestos Roofing Removal Procedures
Section 02087 - Avian Excreta Removal
Section 02089 - Small PCB Items and Lamps
Section 02090 - Lead Based Paint Control Procedures

1.2 REFERENCES:

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only. Current edition of the publications will be used.

A. Code of Federal Regulations (CFRs):

29 CFR 1910 - OSHA General Industry Safety and Health Standards 29
CFR 1926 - OSHA Construction Industry Standards
40 CFR Chapter 1 Subchapter R– Toxic Substances Control Act (TSCA)
40 CFR Part 61 – EPA National Emission Standard for Hazardous Air Pollutants (NESHAPs)
40 CFR Part 761 – Polychlorinated Biphenyl Manufacturing, Processing, Distribution and Use
40 CFR Parts 260 through 271 – EPA Resource Conservation and Recovery Act (RCRA)
41 CFR Parts 102 - Federal Management Regulation

B. Other Recognized Standards:

American National Standards Institute (ANSI)
American Society for Testing and Materials (ASTM)
National Fire Code (NFC)
National Fire Protection Association (NFPA)
70E National Electrical Code (NEC)
Underwriters laboratories (UL)
Federal Standard 313E - Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials Furnished to Government Activity
ASME B31.9, Code for Pressure Piping, Section on Building Services Piping

C. Applicable state and local regulations shall apply.

1.3 WORK COVERED BY THIS SECTION: This section is applicable to all work performed under this contract.

1.4 DEFINITION OF HAZARDOUS MATERIALS: Refer to hazardous and toxic materials/ substances, Subparts H and Z of 29 CFR 1910; and to others as defined in Federal Standard 313.

A. Those hazardous materials most commonly encountered can include pesticides, cleaning agents, paints, adhesives, strippers, solvents, asbestos, polychlorinated biphenyls (PCB's), mercury vapor lamps, explosives, and radioactive materials, but may include others. Any unlabeled substance should be handled as hazardous material until properly identified.

B. All thermal systems insulation (i.e., boiler insulation, duct insulation, pipe insulation), surfacing materials (i.e., plaster and sprayed-on fireproofing) and miscellaneous materials (i.e., asphalt flooring, ceiling tiles, adhesives and mastics, drywall, roofing, gaskets and cement board), installed no later than 1980, must be considered asbestos containing unless proven otherwise in accordance with 29 CFR 1926.1101.

C. All finished/painted surfaces of buildings constructed prior to 1978 shall be considered finished with lead based paint unless proven otherwise.

D. Products likely to contain PCB's are electrical transformers, capacitors, voltage regulators, fluorescent light ballasts and oil switches. Transformer vaults with PCB contaminated floors are identified by signage at the entry door (see paragraph 3.1).

1.5 QUALITY ASSURANCE:

A. Pre-Construction Safety Meeting: Representatives of the Contractor must meet with the Contracting Officer and his/her representative(s) prior to the start of work under this contract. The purpose of the pre-construction meeting is to review the Contractor's safety and health programs and policies, and to discuss the implementation of all safety and health provisions pertinent to the work to be performed under the contract. The Contractor shall be prepared to discuss, in detail, the measures he/she intends to take in controlling any unsafe or unhealthy conditions associated with the work to be performed under the contract. If directed by the Contracting Officer, this meeting may be held in conjunction with other pre-construction meetings such as the General Pre-Construction meeting. The level of detail of the safety meeting is dependent upon the nature of the work and the potential inherent hazards. The Contractor's principal on-site representative(s), the general superintendent and his/her safety representative(s) shall be in attendance.

B. Compliance With Regulations: All work, including contact with and handling of hazardous materials, the disturbance or dismantling of structures containing hazardous materials, and/or the transport and disposal of hazardous materials shall comply with the applicable requirements of 29 CFR 1910/1926, and 40 CFR 761/260-271.

1. Work involving the disturbance, dismantling or demolition of asbestos containing materials or structures containing asbestos; and/or the removal and disposal of asbestos, shall also comply with the requirements of 40 CFR Part 61, Subparts A and M, and 29 CFR 1915.1001 (where applicable), as well as GSA Specification 02085 (Asbestos Abatement Procedures).

2. Work involving the disturbance, dismantling or demolition of lead based paint shall comply with 29 CFR 1926.62, as well as GSA Specification 02090 (Lead Based Paint Abatement Procedures). It shall be the responsibility of the Contractor to adequately test and characterize the waste by the toxicity characteristics leaching procedures (TCLP) – Lead.

C. Work involving the removal and disposal of PCBs shall comply with 40 CFR 761. Removal and disposal of gross PCBs (contamination) and large PCB items (greater than or equal to 3 pounds (1.36 kg) of dielectric fluid) shall also comply with GSA Specification **00900** (PCB Removal and Disposal). Work involving the removal of PCB light ballasts, switches and similar small PCB items (less than 3 pounds (1.36 kg) shall also comply with GSA Specification 02089 (PCB Light Ballasts, Switches and Mercury Lamps).

D. All work shall comply with applicable state and municipal safety and health requirements. Where there is a conflict between applicable regulations, the most stringent shall apply.

E. Contractor Responsibility:

1. All Contractors shall assume full responsibility and liability for compliance with applicable regulations pertaining to the health and safety of personnel during the execution of work, and shall hold the Government harmless for any action on his/her part, or that of his/her employees or subcontractors, which results in illness, injury or death.

2. Construction Contractors shall comply with the following additional requirements in accordance with 29 CFR 1926.16 (Prime/Subs):

   A. Compliance with the accepted accident prevention plan written by the prime Contractor for the specific work, submitted to the government, and reviewed by the Contracting Officer. The Contractor's plan will be job specific and will include work to be performed by the subcontractors, and measures to be taken by the Contractor to control hazards associated with materials, services, or equipment provided by suppliers.

   B. Regularly scheduled safety meetings shall be held at least once a week for all supervisors on the project to review past activities, to plan ahead for new or changed operations, and to establish safe working procedures for the anticipated hazards. An outline of each meeting shall be submitted through the Contracting Officer's Representative to the Contracting Officer.

   C. At least one "toolbox" safety meeting shall be conducted weekly by field supervisors or foreman for all workers. An outline report of the meeting, including date, time, duration, attendance, subjects discussed and the name of the director shall be maintained and copies furnished to the designated authority on request.

3. Electrical work performance.

   a. Job site safety and worker safety is the responsibility of the contractor.

   b. Electrical work shall be accomplished with all affected circuits or equipment **de-energized**. When an electrical outage cannot be accomplished in this manner for the required work, the following requirements are mandatory:

      1) Electricians must use full protective equipment (i.e., certified and tested insulating material to cover exposed energized electrical components, certified and tested insulated tools, etc.) while working on energized systems in accordance with NFPA 70E.

      2) Electricians must wear personal protective equipment with the appropriate arc flash rating while working on energized systems in accordance with NFPA 70E.

3) Before initiating any work, a job specific work plan must be developed by the contractor with a peer review conducted and submitted to the Contracting Officer's Representative (Construction Engineer), to the Contracting Officer.
a). The work plan must address at a minimum:
- Description of work and location
- justification setting forth the reason why the work must be performed in an energized condition
- Electrical shock and arc flash analysis and boundaries
- PPE that will be used to protect the employees
- Methods and means to restrict access of unqualified persons in the work area

4. Work on energized circuits or equipment cannot begin until prior written acceptance is obtained from the National Capital Regions, Safety Environment and Fire Protection Branch.

1.6 SUBMITTALS: A submittal punch list for projects involving "other" hazardous materials as identified in 1.6-E, and/or flammable/toxic products is provided as Appendix A.

A. Accident Reporting: Contractor shall post emergency first aid and ambulance information at project site. Serious accidents such as those resulting in: treatment of an injury at a medical facility; response by emergency medical personnel; or damage to property will be reported to the contracting officer's representative by telephone within (2) two hours of the occurrence. A copy of each accident report, which the Contractor or subcontractors submit to their insurance carriers, shall be forwarded through the Contracting Officer's Representative (Construction Engineer), to the Contracting Officer as soon as possible (in no event later than seven (7) calendar days after the occurrence). All non-GSA Associate accidents/losses shall be reported using GSA form 3620 (page 01546-9).

B. Permits: When hazardous materials (as defined in Paragraph 1.4, and 40 CFR 261) are disposed of, the Contractor must submit copies of permits and manifests from applicable, Federal, state, or municipal authorities, and necessary certifications that the material has been disposed of as per regulations within 30 days of removal from the site.

C. Hot Work Permits: Submit GSA Form 1755 - Permit for Welding, Cutting or Brazing as required. (See Paragraph 3.5-B)

D. Scaffolding: All scaffolding that is erected on this job will be erected in accordance with the requirements of 29 CFR 1926.451. For scaffolding over two sections high, a scaffold erection plan will be developed by the Contractor, certified by an engineer and provided to the Contracting Officer (CO) prior to set up. Once in place, the Contractor's assigned safety officer or competent person shall inspect and document the conditions of the scaffold and scaffold anchor points prior to use, and once per shift thereafter. Weekly reports shall be provided to the designated Contracting Officer's Representative (COR) for inclusion in the contract records.

E. Construction Contractor's Plan of Action: Submit a plan of action for handling hazardous materials *(except for asbestos, lead based paint, PCBs and mercury lamps as they are covered by specific sections)* and/or flammable or toxic products as follows. The Construction Contractor's plan of action shall contain:

1. Activity Hazard Analysis - identification of anticipated hazards, problems, and proposed control measures/mechanisms for each definable feature of work.

2. Description of how applicable safety and health regulations and standards are to be met

3. Protection of the public or others not related to the operation

4. Means of protection for adjacent non-construction areas and occupants and for controlling dust/fumes/debris generated by the work

5. Specialized training and experience of employees to be used for the work

6. Type of protective equipment and work procedures to be used

7. Safety Data Sheets (SDSs) for, and proposed procedures for using, disposing of, or storing toxic/hazardous materials (also see 29 CFR 1910.1200)

8. Phasing requirements to minimize impact to non-construction work activities

9. Emergency procedures for handling accidental spills, releases or potential exposures

10. Interfacing of trades and control of subcontractors, if applicable

11. Identification of any required analyses, test demonstrations, and validation requirements

12. Methods of certification for compliance

F. Waste Management Plan: Submit plan within **Fourteen** days of date established for the Notice to Proceed, prepare and submit a Waste Management Plan including, but not limited to, the following:

1. List of the recycling facilities, reuse facilities, municipal waste landfills and other disposal area(s) to be used. Include: Name, location, and phone number.

2. Copy of permit or license for each facility.

3. Include a bulk estimate in weight (tons) or volume (cubic yards) of waste diverted and anticipated weight/volume for materials going to landfill.

4. List of proposed materials to be diverted identified on a site pre-assessment.

5. Identify materials that cannot be recycled or reused. Provide explanation or justification.

6. Schedule meetings to address waste management with all subcontractors affected by the Waste Management Plan.

7. Delineate storage and collection methods of disposed materials and diverted materials, Handling procedures, and means of keeping diverted materials free of contamination.

8. Describe the methodology that will be used for the proper transportation of diverted materials. If possible, estimate the quantities and timeframes when containers for diverted materials will be emptied.

9. Description of the quality control program to ensure the disposed materials and diverted materials generated from the facility alterations and additions are not leaving the project building through uncontrolled or unmonitored channels.

10. Revise and resubmit Plan as required by Owner.

11. Approval of Contractor's Plan will not relieve the Contractor of responsibility for compliance with applicable environmental regulations.

PART 2 – PRODUCTS

2.1 MATERIALS AND EQUIPMENT: Special facilities, devices, equipment, clothing, and similar items used by the Contractor in the execution of work shall comply with the applicable regulations. Such materials and equipment shall be identified in the Plan of Action called for herein.

2.2 SAFETY DATA SHEETS (SDSs): SDSs shall be available on-site for all products used under this contract. The prime contractor is responsible for meeting the hazard communication requirements, in accordance with 29 CFR 1910.1200. To the extent feasible, substitute non-flammable and non-toxic products.

PART 3 - EXECUTION

3.1 CAUTIONARY PROCEDURES AT EXISTING VAULTS: Transformer vaults may have floors which are PCB contaminated. These vaults are generally marked by blue signs, which identify the vault as PCB contaminated. Consult the Building Manager to ascertain whether precautionary procedures must be taken.

On rare occasions, vault doors in existing buildings may be equipped with protective alarms and devices. Consult the Building Manager to ascertain whether vault doors in areas under this contract are so equipped.

3.2 HAZARDOUS MATERIALS: The Contractor shall bring to the Contracting Officer's attention, any material suspected of being hazardous which he/she encounters during execution of the work. The Contracting Officer shall then determine whether the Contractor shall perform tests to determine the nature or toxicity of the material. If the Contracting Officer directs the Contractor to perform tests, and/or if the material is found to be hazardous and additional protective measures are needed, a change of contract may be required (subject to applicable provisions of the contract).

3.3 CONFINED SPACES: The controlling contractor has the overall responsibility for all confined space operations and is the primary point of contact for information about the permit spaces at the work site. Before entry of the confined space, the controlling contractor will submit a copy of their confined space entry plan and their confined space permit. After the confined space operation is completed, the controlling contractor will submit copies of the confined space permit and information on any new hazards they encountered in the space to the Contracting Officer or the Contracting Office Representative (COTR) for review and copies retained for one year.

A. All confined space entry shall comply with 29 CFR 1910.146 / 29 CFR 1926.1201 except for specifically referenced operations in 29 CFR 1926 such as excavations/trenches 1926.651(g).

B. A site-specific Confined Space Entry Plan (including permitting process) shall be developed and submitted to the COTR / Contracting Officer for review before entry into the confined space is permitted. The Contractor is responsible for prior notification of the Contracting Officer on the type of work to be conducted in all confined spaces, and to issue the required entry permit according to their Confined Space Entry Program requirements.

3.4 CONTROL OF HAZARDOUS ENERGY (Lock-out Tag-out): The contractor will establish a program for the control of hazardous energy and establish procedures for affixing appropriate lockout devises or tagout devices to any system that produces, uses, or stores hazardous energy including areas where energy is introduced (e.g., commissioning equipment and/or testing activities, etc.), these activities will be coordinated with and communicated to all affected personnel.

A. The contractor performing the work shall create and implement an activity hazard analysis (AHA) for the work requiring a lock-out tag-out to ensure that the inherent risk is identified.

B. When a piece of equipment or machine must be tested or conditioned for service/maintenance, and re- energization is required, the temporary removal of lockout/tagout devices procedures must be provided to the Contracting Officer's Representatives prior to performing the activities.

3.5 CONSTRUCTION STOP WORK ORDERS: Should the Contractor or his/her subcontractors be notified by the Contracting Officer's representatives of any non-compliance with the provisions of the contract, and/or that corrective action(s) are required, the Contractor shall immediately (if so directed) or within 48-hours after receipt of a notice of violation, correct the unsafe or unhealthy condition. If the Contractor fails to comply promptly, the Contracting Officer or his/her representatives may issue a "Stop Work Order" for all or any part of the work being performed. In instances of imminent danger conditions, the Contractor must stop all work immediately. When, in the opinion of the Contracting Officer or his/her representatives, satisfactory corrective action has been taken to correct the unsafe or unhealthy condition, a written order reinstating the work will be issued. The Contractor shall not be allowed any extension of time or compensation for damages by reason of, or in connection with, such work stoppage.

PART 4 - PROTECTION:

4.1. THE FOLLOWING ARE PUBLIC PROTECTION REQUIREMENTS FOR ALL CONTRACTS:

A. Contractor Responsibility: The Contractor shall take all necessary precautions to prevent injury to the public, building occupants and visitors, and damage to or contamination of property or the environment. For the purposes of this contract, the public or building occupants shall include all persons not employed by the Contractor or subcontractor thereof.

B. Welding, Cutting, and Brazing: GSA specifically requires a permit for welding, cutting, and brazing. This permit, GSA Form 1755 - Welding, Cutting and Brazing (page 01546-11) shall be approved each day by the GSA Buildings Manager (facility manager for delegated buildings) whenever welding, cutting or any open flame work is performed.

C. The welding area shall be screened, shielded or other safeguards provided to protect the public and standby personnel from rays, flashes, sparks, molten metal and slag..

D. Work areas shall be kept clear of combustibles within a 25-foot (7.62-meter) radius of any open flame work. Combustibles which cannot be removed shall be covered with flame- resistant blankets.

E. Compressed gas cylinders shall be secured in a vertical position at all times. Valve protection caps shall be in place whenever cylinders are not in use, moved or stored.

F. Appropriate fire extinguishers shall be maintained at welding and cutting operations.

G. A designated fire watch shall sign and return the permit. The fire watch shall be on duty during operations and for a sufficient time afterwards to ensure no possibility of fire exists.

H. Storage: It is prohibited to store, position, or use equipment, tools, materials, scraps, and trash in a manner likely to present a hazard to the public or building occupants by its accidental shifting, ignition, or other hazardous qualities. Storing of combustible or flammable liquids shall be in accordance with the current edition of the National Fire Code for Flammable and Combustible Materials (NFPA 30).

I. Obstructions: No corridor, aisle, stairway, door, or exit shall be obstructed or used in such a manner as to encroach upon routes of ingress or egress utilized by the public or building occupants, or to present an unsafe or unhealthy condition to the public or building occupants.

j. Housekeeping: Housekeeping practices shall be in conformance with OSHA 29 CFR 1910.141 and 29 CFR 1926.25, for non-construction and construction contracts respectively.

4.2. THE FOLLOWING ARE PUBLIC PROTECTION REQUIREMENTS FOR CONSTRUCTION CONTRACTS:

A. Protection of the Public and Federal Employees: Work shall not be performed in any area occupied by the public or Federal employees unless specifically permitted by the contract and the Contracting Officer and unless adequate steps are taken for the protection of the public and Federal employees.

B. Fences & Barricades: The work area shall be fenced, barricaded, or otherwise segregated from the public or building occupants to prevent unauthorized entry into the work area.

C. Alternate Precautions: When the nature of the work prevents isolation of the work area and the public or building occupants may be in or pass through, under or over the work area, alternate precautions such as the posting of signs, the use of signal persons, the erection of barricades, canopy structures or similar protection around particularly hazardous operations shall be approved and used as appropriate.

D. Public Thoroughfare: When work is to be performed over a public thoroughfare such as a sidewalk, lobby, or corridor, the thoroughfare shall be closed, if possible, or other precautions taken such as the installation of screens, barricades or canopy structures. When exposure to sizeable falling objects exists, as during the erection of building walls or during demolition, special protection of the type detailed in 29 CFR 1910/1926 shall be provided.

E. Temporary Construction Barriers: Paragraphs 3.5-F through 3.5-I above specifies the erection of construction barriers in specific situations. Temporary construction barriers, partitions which cover a hole in a rated fire wall, or separate the construction from public access and exit corridors shall be erected floor-to-ceiling, wall-to-wall, and shall remain in place for the duration of the contract. The minimum construction standards for these temporary barriers shall be metal studs, anchored top and bottom at a maximum spacing of 16 inches (406 mm) on-center, and covered with a minimum of one layer of 1/2 inch gypsum wallboard.

F. Dust and Fume Control Measures: Work performed adjacent to occupied areas shall be done within dust control barriers (generally constructed of polyethylene sheeting). To the extent feasible, maintain the work environment at a negative pressure differential with the adjoining occupied areas. The use of fume and odor producing products and materials shall be done in such a manner, or at such a time as to minimize impact on building occupants. Provide measures to minimize tracking of dust through non-construction areas.

G. Roof Work: During the performance of roofing work on low-pitched roofs, employees will be protected as required by the OSHA standards contained in 29 CFR 1926.500, except that a safety monitoring system, as defined in 29 CFR 1926.501 (b)(10) and 1926 502 (h)is not an allowable option when working within six feet (1.83 m) of the roofs edge or any opening. When working within six feet (1.83 m) of the roof edge or an opening, motion-stopping safety systems, as defined in 29 CFR 1926.502(p)(5), will be used.

H. Removal of Fences and Barricades: Fences and barricades shall be removed upon completion of the project, in accordance with local ordinance and to the satisfaction of the Contracting Officer or his/her representative(s).

APPENDIX A
01546 – SAFETY SUBMITTAL PUNCH LIST

PROJECT_____ DATE REVIEWED_____

PROJECT NUMBER_____ REVIEWER_____

	REVIEWED	APPROVED	IN FILE
CONSTRUCTION SUBMITTALS: **Post-award** but prior to the start of construction:			
1. GSA FORM 1755 – Permit for Welding, Cutting or Brazing	_____	_____	_____
2. SCAFFOLDING: All scaffolding that is erected on this job will be erected in accordance with the requirements of 29 CFR 1926.451. For scaffolding over two sections high, a scaffold erection plan must be developed by the Contractor:			
A. Scaffold erection plan:	_____	_____	_____
B. Certified by an engineer:	_____	_____	_____
3. PLAN OF ACTION: A plan of action for handling hazardous materials (except asbestos, lead based paint, PCBs and mercury vapor lamps) must be submitted. The hazardous materials plan of action shall contain the following:			
A. Activity Hazard Analysis – identification of anticipated hazards, problems, and proposed control mechanisms	_____	_____	_____
B. Description of how applicable safety and health regulations and standards are to be met	_____	_____	_____
C. Protection of the public or others not related to the operation	_____	_____	_____
D. Means of controlling dusts/fumes/debris generated	_____	_____	_____
E. Specialized training and experience of employees	_____	_____	_____
F. Protective equipment and work procedures to be used	_____	_____	_____
G. Safety Data Sheets (SDSs)	_____	_____	_____
H. Proposed procedures for using, disposing of, or storing toxic/hazardous material (also see 29 CFR 1910.1200)	_____	_____	_____
I. Phasing requirements to minimize disruption of operations	_____	_____	_____
J. Emergency procedures for handling accidental spills, releases or exposures	_____	_____	_____
K. Interfacing of trades and control of subcontractors	_____	_____	_____
L. Identification of any required analyses, test demonstrations, and validation requirements	_____	_____	_____
M. Methods of certification for compliance	_____	_____	_____

	REVIEWED	APPROVED	IN FILE
CONSTRUCTION SUBMITTALS: **During construction** but prior to project closeout			
4. SCAFFOLDING: DAILY DOCUMENTATION (ONCE PER SHIFT):			
A. Inspect and document the conditions of the scaffold (weekly)	_____	_____	_____
B. Scaffold anchor points (weekly)	_____	_____	_____
C. Weekly reports have been provided to the designated Contracting Officer's Representative (COR) – contract record	_____	_____	_____
5. PERMITS: When hazardous materials (as defined in paragraph 1.4, and 40 CFR 261) are disposed of, the Contractor must submit copies of permits and manifests from applicable Federal, state, or municipal authorities	_____	_____	_____
And			
CERTIFICATES that the material has been disposed of as per regulations.	_____	_____	_____
6. "Toolbox" safety meeting documentation	_____	_____	_____
7. Accident Reporting: must be reported to the contracting officer's representative by telephone within (2) two hours of the occurrence.			
A. Serious accidents such as those resulting in: treatment of an injury at a medical facility; response by emergency medical personnel; or damage to property other than that of the Contractor	_____	_____	_____
B. A copy of each accident report, which the Contractor or subcontractors submit to their insurance carriers shall be forwarded as soon as possible, but not later than seven (7) calendar days after the occurrence.	_____	_____	_____

REPORT OF GSA PROPERTY DAMAGE OR NON-GSA EMPLOYEE PERSONAL INJURY

This form is not to be used for reporting GSA motor vehicle accidents or GSA employee occupational injuries/illnesses. Use Standard Form 91 or 91A or CA-1 or CA-2 respectively. See reverse for complete instructions.

REPORT CONTROL NUMBER

1. REGION | 2. DATE OF ACCIDENT

3. ACCIDENT REPORT NUMBER

4. PERSON'S NAME AND HOME ADDRESS

5. REASON FOR REPORT

6. PERSON'S PHONE NO.

C. TIME OF ACCIDENT AM PM

8. EXACT LOCATION OF ACCIDENT

9. NAME AND ADDRESS OF GSA FACILITY

10. MEDICAL EXPECTATION

11. DESCRIBE EQUIPMENT INVOLVED AND EXTENT OF DAMAGE

12. OWNER OF EQUIPMENT INVOLVED

A. NAME

B. ADDRESS

C. PHONE NO.

13. DETAILED DESCRIPTION OF ACCIDENT

14. CORRECTIVE ACTION IS THERE A NEED FOR EMPLOYEE TRAINING ? Y OR N

A. DESCRIPTION

B. RESPONSIBLE PERSON

C. ACTION DATE

15. NAME AND TITLE OF SUPERVISOR

16. SIGNATURE OF SUPERVISOR

17. PHONE NO.

18. DATE

19. REVIEWERS COMMENTS ATTACHED Y OR N (NO INDICATES NO COMMENTS ADDED)

20. NAME AND TITLE OF REVIEWER

21. SIGNATUR OF REVIEWER

22. DATE

23. NAME AND TITLE OF BRANCH OFFICIAL

24. SIGNATURE OF BRANCH OFFICIAL

25. DATE

GENERAL SERVICES ADMINISTRATION GSA FORM 3620 (2-91)

INSTRUCTIONS FOR COMPLETING GSA FORM 3620

(Print or type all entries except where signatures are required)

The supervisor in charge of the area of occurrence or equipment involved shall prepare this report.

Item No.	Instructions
1	List GSA region reporting the accident
2	Show date of accident occurrence
3	Leave blank. The regional Safety Office enters the report number.
4	Identify the person(s) involved in the accident. If more than one person, use separate pages.
5	State precisely why this report is being completed (e.g., Non-Federal personal injury, Federal property damage, or Non-Federal property damage).
6	Provide the telephone number of the person most responsible or involved in the accident. If more than one person, make sure a telephone number is included on additional pages as directed in item 4.
7	Self-explanatory.
8	Self-explanatory.
9	Identify the name, address and building number (if known) of the GSA facility where the incident occurred.
10	If a personal injury resulted, what is the exact nature of the injury and what is the actual or expected result (e.g., death, amputation of left leg, fractured right arm, strained back). Note if hospitalized and where.
11	Self-explanatory. Use additional pages as necessary.
12	Self-explanatory.
13	Self-explanatory. Use additional pages as necessary. If known, provide the names of witnesses. Also identify personal protective equipment and/or engineering controls being utilized at the time of occurrence.
14	A. Specifically, what needs done (or has been done) to correct the cause of the accident. Does the incident indicate that training is necessary? B. Identify the individual responsible for making the corrective action. C. State when the corrective action will be completed/implemented.
15	Items 15 through 18 identify the supervisor in charge of the area of occurrence or equipment involved. Again, the supervisor is responsible for preparing this report.
19	Attach comments and additional corrective actions suggested by the reviewer and or the reviewer official as identified in items 20 through 25.

PERMIT FOR WELDING, CUTTING, OR BRAZING	1A. NAME OF EMERGENCY CONTACT	1B. TELEPHONE NUMBER
	2. OFFICE ISSUING PERMIT	

3. LOCATION FOR PERMIT	A. BUILDING NAME	B. SPECIFIC LOCATIONS OF WORK COVERED

4A. DATE OF WORK	5. NATURE OF WORK
4B. START TIME AM PM	
4C. STOP TIME AM PM	

6. ANTICIPATED HAZARDS DUE TO WORK (*SAFETY, HEALTH, FIRE*)

7. LIST PROTECTIVE CLOTHING, EQUIPMENT AND CONTROLS REQUIRED FOR THE WORK (*INCLUDES PPE AND PUBLIC PROTECTION*)

8. NAME OF PERSONS AUTHORIZED TO PERFORM WORK	9. NAME OF PERSONS SERVING AS FIRE WATCH

10. EMERGENCY PRECAUTIONS (*INCLUDE TYPE, NUMBER AND LOCATIONS OF FIRE EXTINGUISHERS*)

11. PERMIT ISSUED BY

A. NAME AND TITLE	B. SIGNATURE	C. DATE

12. PREWORK SITE INSPECTOR

A. NAME AND TITLE	B. SIGNATURE	C. DATE

13. POSTWORK SITE INSPECTOR

A. NAME AND TITLE	B. SIGNATURE	C. DATE

GENERAL SERVICES ADMINISTRATION GSA FORM 1755 (REV 6-91)

INSTRUCTIONS FOR COMPLETING GSA FORM 1755

(Print or type all entries except where signatures are required)

General: A permit must be issued prior to starting of welding, cutting, or brazing, regardless of GSA Service involved. All welding, cutting, or brazing shall adhere to the relevant OSHA Standards (29 CFR 1910, OR 29 CFR 1926). Every item on the form must be completed. The lack of signatures or any item not completed voids the permit. If the work is performed for a confined space entry task, a copy of this form is posted next to GSA Form 3625, Permit for Confined Space Entry. Both forms must be clearly posted outside the confined space. Prior approval from the Regional Safety, Environment and Fire Protection Branch is mandatory if the permit is issued for a confined space entry task. Upon completion of the work, or when the expected stop time is reached (whichever occurs first), the completed permit must be returned to the issuing authority for filing. The issuance of the permit in no way relieves the Contractor of responsibility for an accident resulting from negligence.

Item No.	Instructions
1	Provide the emergency name and telephone number (Preferably in RED)
2	Self-explanatory.
3	Indicate all locations where work will take place and areas adjacent areas that may be impacted by the work (particularly floors below).
4	Permits are good for 24-hour periods only.
5	Provide validation for issuing the permit (i.e., repair leaking pipe).
6	Self-explanatory.
7	Protective devices also include screens, blankets and barricades for public protection.
8	Initial beside the persons actually performing the work to indicate that they understand the form, its intended purpose, requirements therein, and the safety precautions per OSHA Standard 29 CFR 1910, Subpart Q.
9	Initial beside the persons actually serving as a fire watch to indicate knowledge and understanding of the form and the duties and responsibilities of a fire watch per OSHA Standard 29 CFR 1910, Subpart Q. The fire watch will not be the same person performing the work.
10	Identify the number, type and locations of fire extinguishers to be maintained during the performance of work.
11	The pre-work inspection must be performed the date of the work, prior to commencement. The supervisor in charge of the GSA employee performing the work, or the Contracting Officer's representative conducts the inspections. The inspector ensures all combustibles are removed, covered, or protected.
12	Approved by the facility manager or authorized representative.
13	Conduct a post-work checkup 30 minutes after the completion of work. Inspection shall ensure the area is free of hazardous conditions. The fire watch is not permitted to leave the area until the post-work inspection is conducted.

END OF SECTION 01546

Proposed Change Order 6

Date: **7/24/2017**

Project: **GSA NAC Design-Build Hot Water Loop**
3801 Nebraska Ave., NW
Washington, DC 20407

Contract No.: GS-11-P-16-YT-C-7173

To: **Stephen Haag, Project Manager**
US GSA 301 7th Street SW Washington, DC 20407

The Contract is requested to be modified as per the following additional scope:

Subject:
MOD PS06: Street Patching at NAC3 and between NAC7 and NAC18.

1. Add for all work requested.

(Change Order Amount)	$	(b) (4)
Previous Approved Change Order Amount	$	
(Base Contract)	$	
(New Contract Total)	$	**1,697,549.99**

Contractor's Request for Change Order - Proposed Scope of Work

As noted in RFI-7:
-- DCM's scope of work for the hot water loop project as detailed in Section C. Scope of Services under bullet 8 is to, "patch and replace disturbed asphalt … to match existing", as noted in the Scope of Construction Project issued by GSA dated 5/31/2016 on page 2 of 7.
-- During a walkthrough of site conditions on 10/19/2016, DCM identified sections of the existing pavement where the conditions of the asphalt would not be suitbale for patch work. The existing conditions consist of depressions where there is inadequate backfill.
-- As the engineer of record, DCM recommends removing the unsuitable material in these locations and providing new materials to correct the backfill of existing conditions.

This scope is for an area between NAC7 and NAC18, a depression of 28' x 90'; and two areas at NAC3, a depression of 7' x 40' and 20' x 60'. For a total area of approximately 4000SF.

Change Order 005 + 006, Mod PS06 **DATE:** 7/24/17

CONTRACT TITLE: **Contract: GS-11-P-16-YT-C-7051**

GSA NAC Design-Build Hot Water Loop

	PRIME CONTRACTOR'S WORK		Revisions/Comments
1	Direct Materials	(b) (4)	
2	Direct Labor		
3	Rental Equipment		
4	SUBTOTAL	add lines 1 - 3	
5	Prime's Overhead	% of line 4	
6	Prime's Profit	% of line 4	
7	GRAND SUBTOTAL	add lines 4 - 6	
	Prime Remarks:		

	SUB-CONTRACTOR'S WORK		Revisions/Comments
8	Direct Materials	(b) (4)	
9	Direct Labor		
10	Rental Equipment		
11	SUBTOTAL on Direct	add lines 8 - 10	
12	Sub-Contractors Overhead	% of line 11	
13	Sub-Contractors Profit	% of line 11	
14	SUBTOTAL on Direct	add lines 11 - 1	
15	2nd Tier Subcontractor Costs		
16	Overhead on 2nd Tier Subcontractor	% of line 15	
17	SUBTOTAL 2nd Tier	add lines 15 - 1	
18	GRAND SUBTOTAL	add lines 14 & 1	
	Sub Remarks:		

19	Prime Grand Subtotal	Line 7	(b) (4)
20	1st Tier Grand Subtotal	Line 18	
21	Primes Overhead on 1st Tier Sub	% of line 20	
22	GRAND SUBTOTAL	add lines19-21	
23	Primes Bond	% of line 22	
24	TOTAL COST	add lines 22 & 23	

Change Order 005 + 006, Mod PS06

BREAKDOWN OF DIRECT COSTS | **Date:** 24-Jul-17

Sheetmetal	(b) (4)
Laborer	
Carpenter	
Painter	
Electrician	
Plumber	
Pipefitter	
Superintendant	

ITEMS OF WORK FOR Prime Contractor	QTY	UNIT	MATERIAL Unit Cost	MATERIAL Total Cost	LABOR Unit Cost	LABOR Total Cost		EQUIPMENT Days	EQUIPMENT Rate	EQUIPMENT Total
General Condition										
Site Superintendant	(b) (4)									
Suitability Coordinator										
01 31 00 Project Management & Coordination										
01 32 00 Construction Progress Documentation										
01 51 00 Temporary Utilities										
01 54 00 Construction Aids										
01 55 00 Vehicular Access and Parking										
01 71 00 Examination & Preperation										
01 74 00 Cleaning & Waste Management										
							R		Total (Rental)	
DIRECT Prime Contractor's TOTALS				(b) (4)						

ITEMS OF WORK FOR Sub-Contractor 1st Tier	QTY	UNIT	subcontractors Unit Cost	subcontractors Total Cost	Labor Unit Cost	Labor Total Cost	R	EQU PMENT Days	EQU PMENT Rate	EQU PMENT Total
Site Sub-Contractor										
De La Vega, NAC7 and NAC18	(b) (4)									
De La Vega, NAC3										
DIRECT Contractor's TOTALS				(b) (4)						